

ABSTRACT OF THE DISCLOSURE

A method for reducing elongational viscosity of an elastomeric composition includes adding at least one elongational-viscosity-reducing additive to the elastomeric composition in an amount so that the elongational viscosity of the elastomeric composition, measured at 120° C and at a shear rate of at least 1000 sec⁻¹, is at least 10% less than the elongational viscosity, measured at 120° C and at the shear rate of at least 1000 sec⁻¹, of the elastomeric composition without the at least one additive. A process for producing a tyre includes feeding an elastomeric composition to an extruder; forming, by extrusion, the elastomeric composition as a continuous elongated element; and depositing the elongated element on a support in a plurality of coils to make up a structural element of the tyre. Forming the elastomeric composition is carried out at the shear rate. The elastomeric composition comprises the at least one additive.